



Students wander past the displays at the Massachusetts State Science Fair.

Photo by Tom Klimowicz

Grades group delays report

By Kevin B. Miller

The ad hoc Committee on Grading, originally expected to make its report to the faculty this May, has been having difficulty reaching decisions, and will probably not be reporting until early next fall.

The committee hopes ultimately to make recommendations which will give a grade more meaning to both the student and to any other groups interested in evaluating the student.

The Committee, which consists of both faculty and students, was appointed last year by President Wiesner to study the grading situation at MIT and

make any suggestions to the faculty that it deemed appropriate. The chairman of the committee is Professor of Metallurgy Roy Kaplow.

According to Kaplow, several problems in the present system have been brought to the attention of the committee. Some of the major ones concern:

- *arbitrary grade assignment, which tends to happen in large courses where tests — which rarely test everything in the course — are the major scaling device used for grades, and there is little or no personal input about the student. If a student should happen to grasp a particularly difficult concept very well, it might never show in his/her grade.

- *lack of uniformity, both in grading and in course content. Grades may not be consistent from term to term, or even from instructor to instructor in the same course. Actual content of courses tends to vary widely, depending on the department in which the course is taken. More importantly, the content of many courses varies from semester to semester, without any outward change in the course's content. Two students then, could get the same grade in the same course number, and yet not have learned the same material.

- *grade inflation, a problem at colleges across the nation, has taken its toll at MIT, where the vast majority of grades awarded are now A's and B's.

- *grades for laboratory and design courses, as well as team projects, where it is not necessarily clear exactly who is receiving the recognition and for what kind of work.

All of these tend to reduce the potential value of a grade, no matter how it is being viewed. In trying to formulate improvements, the committee has been taking an in-depth look into the ways that a grade is interpreted, both inside and outside the Institute.

Internally, grades serve as an important signal to departments that a student in one of its courses, or a degree candidate, is undergoing difficulty. They are also an important source of input to a student's advisor, to warn him of any academic difficulty that the student may be encountering.

The matter of how a grade is interpreted externally, said Kaplow, is much harder to deal with. It tends to depend entirely on who is doing the interpreting.

Perhaps the only agreement that the committee has come to is that a grade should reflect how much a student has learned in a particular subject. This would tend to indicate that some sort of large scale grading standardization should be employed. This could lead to one of two major problems. 1) Standardizing on a national level would tend to make course material orient itself with only those things which are tested on the national level. 2) Trying to standardize the value of a grade just at MIT (presumably adjusting the overall scale downward), would require an intense effort by the faculty over an undefinable period of time, and might result in a disadvantage for MIT students when they try to compete for outside openings, particularly at graduate schools.

"We've been discussing a wide
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State science fair held at MIT

By Jules Mollere

Participants at the 25th Annual Massachusetts State Science Fair found the fair to be tiring and rather hard work.

"There are just too many MIT professors around and they ask some of the hardest questions," one contestant complained.

The fair, sponsored jointly by MIT and the Boston Globe, was a competition for Mass. high

school and junior high school students. It began last Friday at 8am with registration and setting up of the exhibits in Rockwell Cage. Judging of the exhibits took place on Friday, followed by dinner and a talk by Institute Professor Emeritus Harold Edgerton.

On Saturday all the exhibitors were present for the opening of the fair to the public. When not answering questions

about their exhibits or demonstrating them for people, most of the participants sat around reading, listening to portable radios, or, for the most part, doing nothing.

The exhibits themselves ranged from "Hamburger Analysis" to "Bridge Building" to "Fundamentals of Automatic Digital Computer Programming Using Formula Translation." Other unusual exhibits were "Is It As Good for You as They Say It Is?" and "Developing Products From Onion Skins."

One of the most popular topics was acupuncture, which was represented by four entries.

About one-third of the fair's 200 contestants were females.

Dean Irwin Sizer of MIT's Graduate School welcomed the participants with the comment that "MIT makes a fitting back-
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'Term Paper scandal': No disciplinary action

By Michael Garry

The Tech has learned that MIT decided last year not to implement disciplinary measures against students who were named in the "Term Paper Scandal" as having bought term papers from any of the group of companies selling research papers to students.

John Silber, President of Boston University, in a speech last month to the American Association for the Advancement of Science, announced that BU had obtained files of customer names from the companies in a suit in late 1972. BU made these files available to other Boston area colleges. But Silber complained that the other universities apparently intended to do nothing about their students who were involved and were, in effect, "sweeping under the rug the whole scandal of term paper production."

The scandal came about in late 1972 when Boston University, with the moral and financial support of seven other universities in the Boston area, including MIT, launched a legal suit against several companies that had been prosperously and conspicuously selling term papers.

As a result of the suit companies such as Champion Research, International Term Papers, Quality Bullshit, among others, were banned from operation in the Commonwealth of Massachusetts.

At the time of the suit, the files of the term paper companies were seized by a court order and made available to Boston University, which offered any information in them to the other universities supporting the suit. MIT was given the names of eight students who were mentioned in the files, along with

related material.

Walter Milne, Assistant to the Chairman of the Corporation, told The Tech that he received information on the eight named MIT students in early 1973. He examined the information and, "translated it into tabular form," before channeling it to Professor of Mathematics Hartley Rogers, then Chairman of the Faculty. Rogers, on the basis of this and other information, made the decision not to discipline the implicated students.

Though not available for comment, Rogers made his reasoning on the decision clear in a memorandum to Milne, dated March 29, 1974.

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T&C Seminar looks at society

By Berf Halstead

(First of a series of three)

For almost three years now, the Technology and Culture Seminar at MIT has been focusing on investigating unconventional theories of knowledge and novel outlooks on the relationship between technology and society.

Presently, the Technology and Culture Seminar is a loosely-organized group of about three dozen faculty and a handful of students concerned with exploring these issues. Their crowded calendar includes public lectures by distinguished visitors to MIT, and also a couple of series of private meetings and discussions.

The moving spirit behind the group is the Reverend John Crocker, the Episcopal Chaplain at MIT. He was primarily responsible for bringing to life the current incarnation of the semi-

nar, in the fall of 1971. He has since then done the lion's share of the hard work needed to line up speakers, take care of other administrative details, and sell the MIT administration on the idea.

The original Technology and Culture Seminar came into existence back in 1961, when the Reverend Myron Bloy, the Episcopal counselor for MIT from 1958 to 1966, gathered together a small group of faculty from MIT and elsewhere. Their purpose in meeting was to discuss a topic which Crocker says the present Seminar "will have to get around to sooner or later" — the cultural impact of technology on society. The group had noticed that every human culture has had a technology, but that it is only in recent times that the principles of that technology have become entwined with "the scientific method."

digital torque meter, won \$300 each in the Innovation Contest sponsored by Eta Kappa Nu.

Albert Chin '75 won the \$100 third prize with a design of a bicycle powered snow vehicle. Honorable mentions, and \$50 awards were given to Michael Butts '74, Edward Giamo '74, Gordon Salmela '74, Yvonne Walkowsky '74, and Lee Leiterman '77.

Consequently, only recently has the basis of technology become inaccessible to the average person.

Crocker cited two questions that needed (and still need) to be answered about new technological developments: do we need them? and how do we control them? He gave television as an example of the principle that "once we've got something, it becomes something we have to have." Asking what the world might be like today if the cultural consequences of television had been carefully studied and considered before it was brought into the world, he wondered whether, in the final analysis, we "needed" television before we had it.

In any case, the group disbanded after a while, and the concept of the Technology and Culture Seminar entered a per-
(Please turn to page 2)

Innovators earn awards

By Dave Danford

Eight of MIT's most distinguished undergraduate innovators were awarded a total of \$1000 Sunday at a dinner of the Eta Kappa Nu Society for their innovative designs of engineering devices.

Carl N. Bielenberg '74, for his automated programmable tape and record accessing machine, and Rinaldo Spinella '74, for his

Bielenberg said that his winning innovation was based on an idea he had had for some time before the contest was announced. The contest, according to Bielenberg, served to motivate him to develop his project. He plans to build a prototype and attempt to market his invention through the MIT Innovation Cooperative.

Noting that only about twelve MIT undergraduates participated in the competition, Bielenberg said he was "a little disappointed that not many people entered the contest."

Professor Y.T. Li, director of the MIT Innovation Center, characterized the contest, in its first year, as a success. "I'm very encouraged by the way there is so much latent potential on this campus," said Li.

The contest, according to Li, is part of a much larger innovation program. "Our main objective is this: we would like to encourage the students to come up with marketable schemes. We help everybody as much as we can, providing guidance."

Li pointed out that the innovation program is distinct from UROP, in that the goal is specifically to nurture marketable ideas. "We are not a scholarship hand-out organization. We have a much more selective objective," he said. Li said that the contest was one way of getting the attention of student innovators and finding out who they are.

No reprimands to studs in 'termpaper scandal'

(Continued from page 1)

The memorandum stated that although names of eight students had been communicated to MIT, "only five could be identified from records as present or former MIT students." Of these five, the memorandum continued, "one was a special student no longer at the Institute, one had left MIT in 1972, and a third had received a degree and left the Institute."

The memorandum focused its attention on the student who graduated from MIT and the two remaining students (both undergraduates). All three were allegedly involved in the purchase or sale of term papers from Champion Research and, "their involvement was small." One of the two remaining students was cited as having been the seller of three term papers to Champion Research; while the other had allegedly bought two papers from the company in the spring of 1972.

Rogers explained that his reasons for not leveling disciplinary action were different for each of the three students. The undergraduate who sold the term papers, "did not merit further action... because the extent to which the student could be held to have violated an understood and enforceable rule of the university was not clear." The student who graduated from the Institute could not be punished because there was, "no appropriate way to pursue action." Finally, the student who purchased the term papers was also exempt from reprimanding action because the professors in whose courses the papers were submitted were away from MIT, one having left permanently and the other being on leave. Thus no

formal action could be taken "in view of the absence of the faculty member in question and the subsequent difficulty of establishing facts."

There were other factors which contributed to Rogers' inability to confirm that plagiarism had been committed. According to Rogers, the conclusive identification of the implicated students was made difficult by the considerable use of false names; in some cases real names could have been used by different persons. Rogers also mentioned the difficulty in proving that, "the term papers in question had been submitted in purchased form to the indicated subject." An article in the March 24th issue of the *Chronicle of Higher Education* noted that only two schools — Brandeis and Tufts — initiated disciplinary action against students on the lists provided by Boston University. MIT and four other institutions, according to the article, either took no action, or as in the case of Harvard, refused to accept the lists.

Boston University, according to one official there, took appropriate action against its student offenders. Students who had used term papers that were proven to have been bought from the companies either had their grade in the papers and/or in the courses to which they were submitted lowered one notch, or were given a grade of F on the papers and/or in the courses. The official added that many of the students whose names were found on the company lists had left BU before the university tried to contact them. The official did not know the exact number of BU students involved in the scandals.

Committee to postpone findings on grading

(Continued from page 1)

range of issues," Kaplow said, "But everything overlaps a great deal." A few of the specific ideas include: implementing a grade of "T" (temporary), mainly for use in self-paced courses, where it would not be unusual for the course work to run beyond the end of the term; making provisions which would facilitate the attachment of instructor's comments to a student's grade, to make distinctions at the high

end of the grading scale, for example, since this is no longer done with an "A" grade; and extending the current senior Pass/Fail option for electives to include two courses in the junior year.

As it looks now, the committee is not likely to suggest that the drop date be moved any later in the term. However, there has not been any decision as to whether or not it will be changed at all.

T&C views today's culture

(Continued from page 1)

iod of dormancy. Scattered researchers may have continued to ponder these questions at MIT and around the Boston area, but there was no organized forum for their thoughts.

Then, in the spring of 1971, the next Episcopal chaplain of MIT, Reverend Crocker, noticed that "a lot of things were changing at the Institute," and decided to try reviving the Technology and Culture Seminar. Among the changes he noted: confrontation politics had run its course, and "people were getting into a frame of mind to talk to each other again." Jerome Wiesner had just been selected to be the next president of MIT. In addition to his well-known humanistic tendencies, Crocker considers him an "extraordinarily open and concerned" man. It had become apparent that "the report of the Commission on an MIT Education wasn't really going to get a serious hearing," and Crocker wanted to keep alive the issues that had been raised. Finally, there were signs that the Humanities department was searching for new directions, and it seemed that Karl Taylor

Compton's dream (that the existence of a School of Humanities would help humanize all of MIT) needed a bit of help.

Crocker assembled a group of interested faculty, students, and administration people, drew up a "rationale," and arranged a program of speakers. Each speaker would deliver a public lecture at 5:15 in the afternoon, followed by a discussion by a smaller group over a sandwich dinner in the Mezzanine Lounge of the Student Center. These sessions would last well into the evening. Exploring the relationship between science, engineering, and the humanities from a variety of conventional and unconventional viewpoints was the theme for the 1971-72 academic year. Among the lecturers were such eminent men as Professors Victor Weisskopf of Physics and Salvador Luria from the Department of Biology at MIT, Professor Everett Mendelsohn from Harvard, and Dr. Derek de Solla Price from Yale.

In addition to Weisskopf and Luria, other eminent MIT faculty on the committee include Professor Kenneth Hoffman, head of the Department of Mathematics, Dr. Merton J.

Kahne, chief psychiatrist at the Medical Department, Dean Alfred Keil of the School of Engineering, Professor Louis D. Smullin, former head of the Department of Electrical Engineering, and Professor of Physics Philip Morrison. Although students are by no means excluded, and in fact many students have become quite involved in the activities of the Seminar over the past couple of years, the effort is admittedly aimed at the faculty. The theory behind this approach is that, in order for the seminar to reach the greatest number of people, it must reach them through the faculty involved in it. If the most prominent intellectuals in the MIT community engage in wide-ranging and deep consideration of approaches to knowledge and the meaning and role of technology in today's society, then the rest of the Institute will join the debate too.

This is the *raison d'être* of the Technology and Culture Seminar, at any rate, and although Reverend Crocker would like to have a better idea of how many students are aware of the program, so far it seems to be working.

Recycling makes a fresh start

By Margaret Brandeau

MIT Ecology Action has announced that it will begin a program of dormitory paper recycling Thursday, May 2, picking up where their faltering recycling program left off last year. Ecology Action operated CURE (Combined University Recycling Program) last year for several months, but found that while they collected a lot of paper, it was hard to recruit volunteers who would drive rented trucks around to the pickup points for minimum wages.

In order to avoid manpower limitations, Ecology Action this year has contracted a private company, Metropolitan Ecology Workshop, to do the collecting and recycling. This company is not paid to pick up the paper; they make what profit they can on selling the paper.

The company will haul the paper to Chelsea where it will be bought from them, compacted, and shipped to a paper mill.

Ecology Action members say that this year's operation is expected to be successful be-

cause it is not dependent on volunteer labor and because Metropolitan Ecology Workshop has so far been successful at the recycling business.

Once the drive gains momentum, ten to fifteen tons of paper per week are anticipated. This will save the Institute the cost of disposing this trash, as well as allowing 70-100 trees (the number of trees required to produce this much paper) to remain standing.

According to a group member, "by cutting down one acre of trees (for about one and a half tons of paper), you are depriving

people of that forest for 200 years."

Ecology Action says that paper depositories will be set up at main entrances to all the dormitories. All kinds of paper and cardboard can be recycled, except for waxed and carbon paper, and zinc oxide photocopy paper.

Paper may be left in the recycling boxes seven days a week; it will be picked up on Thursdays.

ASA MEETING

Business to discuss:

Space Allocation


and

Activities' Midway '74

West Lounge, Student Center

Sunday, May 5, 3:00 pm

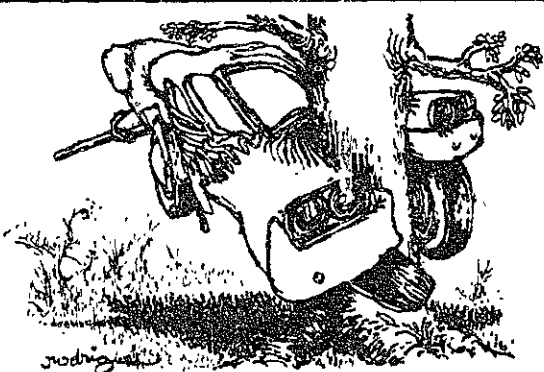
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NOMINATIONS COMMITTEE

WILL HOLD HEARINGS

Wednesday, May 1

(Room 400 — Student Center)

to place Undergraduates on the following committees:

Committee on Academic Performance

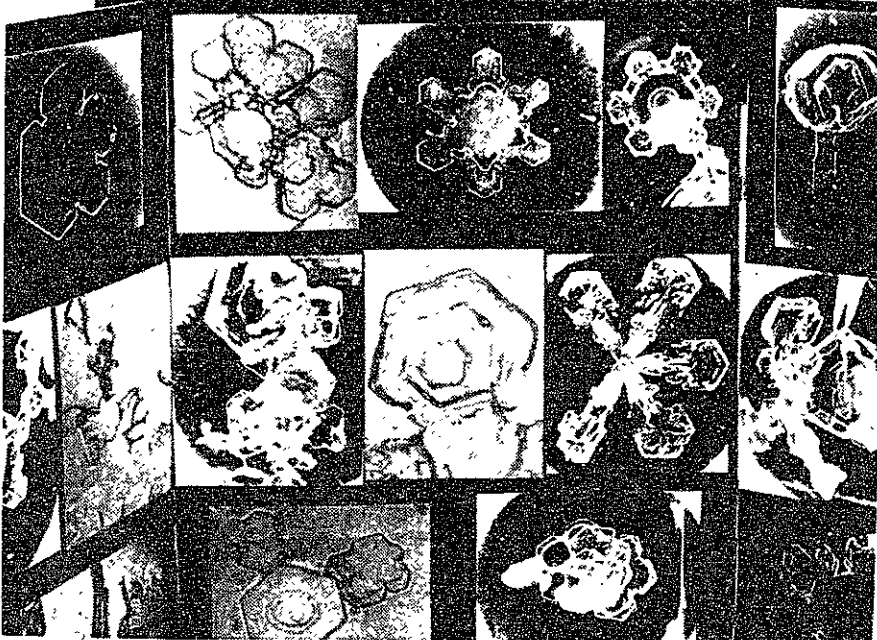
MIT-Wellesley Exchange Committee

MIT-Wellesley Upwardbound Committee

Please call the UA Secretary for an appointment

X3-2696

THE PRESERVATION AND PHOTOGRAPHY OF SNOW CRYSTALS



This exhibit displays the detail that some of the contestants went to in preparing their projects.

Students compete in sci. fair

(Continued from page 1)

ground for this display of your hard work."

Sizer, speaking at the Science Fair awards ceremony in Kresge Auditorium, went on to praise the dedication of the participants "to search for truth wherever it leads" and added that "many of these projects are so good that some of my graduate school students are getting ideas for their theses."

Sizer was followed by Sheila Widnall, an associate professor of aeronautical engineering. Widnall advised students to "broaden your outlook," citing the "diverse options that a field in engineering can open up."

She noted that forecasts predict an increasing shortage of engineers and "while I don't think a career selection should be made solely on the basis of job forecasts, I do think this should be an important consideration."

"Since the focus of engineering is outside of the university," she said, "a bachelor's degree in engineering can often lead to high paying and rewarding jobs."

Commenting on the low percentage (one percent) of women nationwide in engineering, Widnall told the women present that "this field offers you very wide opportunities if only you take them."

A total of \$3,200 in scholarships was awarded to prize-winners.

The reaction of the contestants to holding the fair at MIT varied greatly. One person who had taken one of the several tours being offered by the Institute considered the fair's location to be "the best thing about the whole experience."

ASPIRIN: PANACEA OR POISON?



Eileen Sheehan of Notre Dame Academy talks about her project, "A Comprehensive Study of Aspirin."

Photos by Tom Klimowicz

Report finds sex roles hamper women

By Mike McNamee

"Relatively few girls carefully consider their future careers and the full range of choices" — and this has led to a situation where, although there is a continuing nationwide shortage of scientific and technical workers, women are excluded from work in technical fields.

Parents', teachers', and employers' attitudes and stereotyped sex-role perceptions contribute to this underemployment of women in science and technology, according to a report entitled "Women in Science and Technology," issued last week at MIT.

The report is based on a May, 1973, workshop attended by over 100 persons from large employers, government agencies, women's groups, and schools, also entitled "Women in Science and Technology." The participants noted a process that discourages girls from entering scientific and technical careers starts almost at birth, and continues throughout a female's life, due to the attitudes of those around her to "women's work."

"Somehow we have not been able really to properly assist young girls with their future education and career plans or to communicate to them about the

variety of options and some of the realities of about the role of work in the life of American women," Ms. Helen Astin of the University Research Corporation of Washington, DC, told the workshop participants.

"Studies showed that as a result, 'girls could not see any relationship between math and science courses and their lives after high school,' the report adds.

Workshop results

The report, edited by Mrs. Edith Ruina, staff director of the Workshop, is the result of "several issues [which] converged to lead MIT to organize the 'Workshop on Women in

Science and Technology" last spring. Issues such as "concerns about women's educations and their role in the work force, students 'turned off' by technology... and the recognition of the need for better linkages between education and work," brought a collection of representatives to MIT to examine the problems involved, the report says.

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Student drowns in Charles rescue try unsuccessful

Metropolitan District Police divers Saturday recovered the body of Judson Rich, 24, a junior in the Department of Mechanical Engineering, from the Charles River several hours after Rich apparently jumped into the river.

Witnesses said Rich, originally from Chicago, ran out onto the Harvard Bridge at about 4:00pm and jumped into the river about 100 yards from the Cambridge side of the bridge. He swam for several seconds before going under water, witnesses said.

When asked what he was doing, Rich was reported to have said, "I'm just going for a

swim."

One witness, Timothy Holm '75, was jogging across the bridge when he saw Rich go into the water. Holm dove into the water but failed in his attempt to save Rich.

According to Robert Byers, director of the MIT News Office, Rich had been under treatment at the MIT Infirmary for some time prior to Saturday's drowning, and witnesses said Rich was running from the Infirmary immediately prior to falling into the river.

Passers-by who saw Rich run onto the Bridge told *The Tech* that he "looked like he knew what he was doing" when he went into the water. "He seemed to be a good swimmer," said one witness.

Metropolitan District Police boats and scuba divers were called into search for Rich shortly after the accident occurred, and Rich's body was recovered Saturday evening. The body was recovered in the immediate vicinity of the point where Rich entered the water, Byers said.

Dean for Student Affairs Carola Eisenberg told *The Tech* Rich was a special student who had been readmitted to the Institute this spring, after having taken time off from MIT. Eisenberg would not comment on reports that Rich had been treated by the Medical Department.

BERTHA—

We all love you and will miss you dearly. Please come back soon.

*Yours forever,
Leroy and friends*

Loiterers cause complaints

By Barb Moore

There has been a large number of complaints recently concerning non-students loitering in the Student Center and the athletic facilities, according to the Campus Patrol.

Most of the complaints concern youth, high school age or younger, who live in the community surrounding MIT.

James Olivieri, Chief of the Campus Patrol, stated that, "The influx of urchins is a problem, especially around the athletic facilities." He also receives complaints from the Student Center people "from time to time," which he believes arise from the use of the games areas by non-students.

The semi-public nature of the Student Center causes problems in enforcing loitering restrictions, Olivieri explained. If the non-student is on the first or second floors, he must be considered to have been invited, due to the public nature of the Coop and other facilities.

The upper floors, however, are considered private, and the Campus Patrol must "deal with each particular situation on each floor," Olivieri stated that "there have been losses and thefts due to the transients in there."

Mike Kozinetz '76 chairperson of the Association of Student Activities, said, "The only problem I have is on Saturday, which probably has to do with the High School Studies Program (HSSP)." He has re-

ceived no real complaints, although he has noticed groups loitering on the fourth floor, which houses most student activities.

HSSP, however, stated that "they aren't ours." Rocky Cardalisco, a member of the board of HSSP, said that the youth causing the problems are not in the program, but are outside youth from the Cambridge community. Occasionally, the complaints mistakenly blame the HSSP students, according to Cardalisco. There are approximately 1000 high school students from the area in the program.

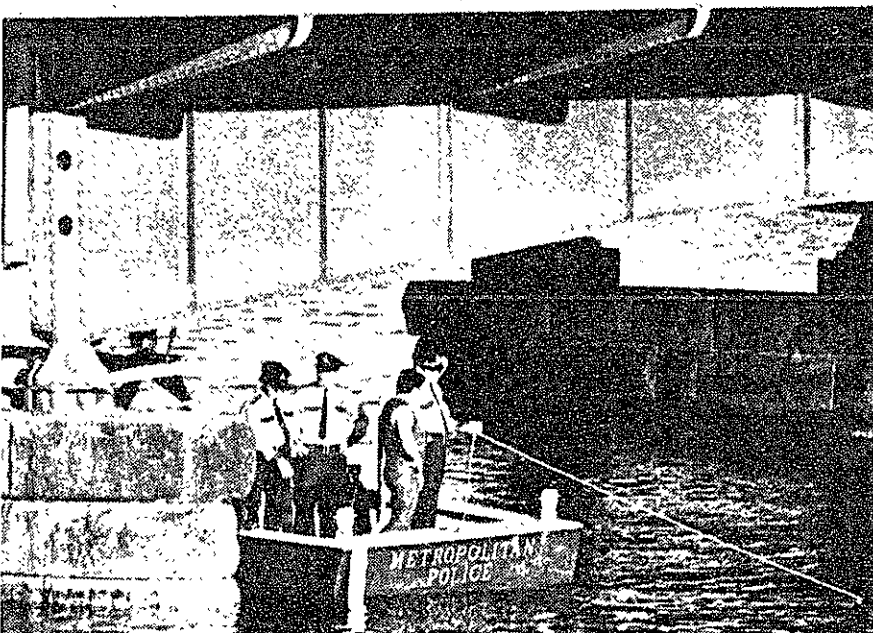
Olivieri agrees that most problems aren't caused by HSSP. "We have had some prankish calls on Saturday mornings from them, but nothing that some of our own students wouldn't do," he stated.

The most serious problem concerns the athletic center, according to Olivieri. There has been a number of thefts which the Campus Patrol attributes to community youth. There is now a Youth Program in the planning stages, which is "just starting to get off the ground."

The Youth Program would allow Cambridge youths use of the athletic facilities, such as the baseball fields and the swimming pool, under supervision. This would be "a small pilot program," as described by Olivieri. "If it is successful, we will expand it."

The recent Aerosmith con-

cert, held during Kaleidoscope weekend, drew crowds of under-age community youth. Kozinetz, who sold tickets at the door to the concert, stated that "it was the damn ticket selling contest" that allowed so many non-college age students to attend. He said that he did not sell tickets to anyone without an ID, and feels that the under-age persons who were admitted had tickets in advance.



MDC Police dragging the Charles for the body of Judson Rich.

Photo by David Tenenbaum

In Case of Insomnia— Rent Rise

By Storm Kauffman

Institute rents are rising again, and, though we don't know the exact extent of the disaster, we do know that the news is bad. Very bad.

The base rents will go up approximately \$200, a choking 30% or so, and those in the more modern buildings will increase even more. The reason for the raise has been given as energy costs, but, while the Institute must be able to break even on housing, this realization will not ease the pain.

What are the alternatives? The fraternities are the traditional one, but their capacity is static and most are not in the market for poverty-stricken upperclassmen (or any sort of upperclassmen).

Just for comparison though, house bills will probably average \$160 a month, with a large variation. That's probably \$200 less than what rent plus commons will cost dorm residents. Other fraternities like Delta Tau Delta and Delta Upsilon may run another \$100 less. Looks like the houses are increasing their economic edge for the Class of 1978 rush.

The only other option left to a student is to move out of the system and find an apartment. Most have not done so in recent years, the 80% return rate being one of the reasons for the housing crunch.

But is an apartment economical? To get an idea, I tried to get some representative figures from two real estate agents (selected at random from the Boston yellow pages).

Niles Company Inc. quoted the seemingly too low rates of \$100-\$130 for a studio and \$150-\$180 for a one bedroom-three room apartment. They didn't put any qualifiers on type of building; location was specified only as Cambridge.

Bradley R M Company Inc. were much more specific. In Cambridge in older buildings (60 to 70 years old), one bedroom places run \$180 average, two bedroom \$200 average (700 to 1600 square feet). In newer buildings, less than five years old, one bedroom apartments cost \$275-\$350 and two bedrooms \$500. Brookline is about the same. Brighton is cheaper with one bedroom at \$135-\$200 (\$155 average) and two bedroom at \$190 average in older buildings.

The reason for the wide variations in rents is location and building condition (such as the variation in dorm facilities). The age range is that of the Institute dorms. An important factor is whether a building is rent controlled — the primary reason for high rents in modern apartments is that local rent control does not affect those newer than three or five years. Another consideration is parking, which was not included in any of the figures.

If you are willing to share a one bedroom apartment in an old building, you might be able to do a little better than the base rents here. Four in a two bedroom apartment will definitely run less.

There are many other points, however. Many landlords are wary of renting to students, most won't if the student signing the lease cannot prove he has a job. Then there is the lease, a commitment to which the lease will be held. If you aren't staying over the summer, you have to sublet or take a loss. Utilities are an extra cost, as is furniture. If the place is not near the campus, there is the problem of commuting. And, maybe you won't like living away from campus social life.

Overall, the decision is a personal one, but the housing service should take care not to raise rents so high that it forces students out of the system. We wouldn't want that new dorm to go vacant, would we?

Commentary:

The UA — another beginning

By Steve Wallman

I would like to clear up a few of the misconceptions that some people may have concerning the position of UAP. The position does not pay any salary, nor does it provide free room, or free board, or free tuition. It has paid for an Institute extension, (but most recently, that has been changed to a regular telephone because it is cheaper). The UAP does not have direct control over any of the ASA activities, nor does he now have direct control over any of the UA Committees which possess the money and power of student government. He cannot appropriate very large amounts of money on his own, he cannot very well represent the feelings and thoughts of a group as heterogeneous as the MIT undergraduate student body. He cannot force the Beach Boys to cut short their West-coast tour, nor can he make the Grateful Dead stop recording down south and perform live in Cambridge, Mass.

The UA can still accomplish a great deal, however. We will be organizing at

Commentary:

Watergate, Nixon, and the new revolution

By Greg Saltzman

There are those who say that President Nixon is a thoroughly rotten and dishonest person who is trying to subvert our constitutional form of government. Nothing could be further from the truth.

To properly interpret the Watergate and other scandals in Washington, one must consider Nixon's call for a "New American Revolution." For years, Nixon and other principled conservatives had been saying that too much power was being concentrated in Washington, and that more power should be returned to the state and local governments.

The Eastern intellectual establishment scoffed at these ideas, however. They said that state and local governments were too corrupt to be trusted with power. These effete snobs stubbornly resisted the New American Revolution, fighting such programs as revenue sharing.

In order to overcome the opposition of the radicalists, Nixon had to show that the state and local government were no worse than the federal government. Did Nixon cheat on his income taxes, improve his houses with money robbed from the federal treasury, and accept bribes from ITT and the dairy lobby for considerations so base as personal gain? Of course not. He merely wanted to restore the people's faith in the integrity of state and local governments by showing how honest they were, relatively speaking.

There is even more that can be said in defense of Nixon. Few people have considered the implications of Nixon's phrase "New American Revolution." It turns out, though, that many of Nixon's most sharply criticized actions were merely intended as reminders of the actions which precipitated the original American Revolution. In a way, these actions were just another part of the Bicentennial celebrations.



least three large concerts during the next year. Planning has already begun for one to be held the first or second week of classes in September. A weekend's worth of entertainment during the last weekend of IAP is also being worked on. Problems in fraternities and dormitories concerning relations with the Institute might be solved more easily if they were brought to the attention of the UA. Money for ideas that would benefit the entire student body can usually be found. The organization of a representative student group will greatly increase the amount of feedback and information that would flow between the students, their government, and the administration.

That only 710 people voted in an election for a position that supposedly covers all their interests is more than a little disturbing. That ballot stuffing, lying, misleading, slander and misinformation should exist is made more disgusting by the general shrug of apathy with which people greeted the news.

The greatest problem that the UA has is the lack of interest of the students. In asking you to vote, we stated that "The UA in actuality derives its potential from the undergraduates. If they have no interest, nothing gets done. If they have the desire, life can be made a little better, a little more enjoyable." The opportunity for some really good things to happen on this campus, for some changes that will have lasting impact, for life to be made a little better, a little more enjoyable, is there. All it takes is some interest on the part of the students. We have our ideas and we will work on them.

What we want are more ideas, more people and more interest.

If you have some suggestions, please let us know. If you want to work on one of the projects that we have been discussing for the last month, give us a call. I am asking that you take a minute out of your day and just think about what you want the UA to do; what you would like to see happen, and then to get in touch with us (x3-2696, W20-401). The whole process is quick, easy, painless and free; and it can make a great deal of difference in what goes on around here.

Continuous News Service

The Tech

Since 1881

Vol. XCIV, No. 21

April 30, 1974

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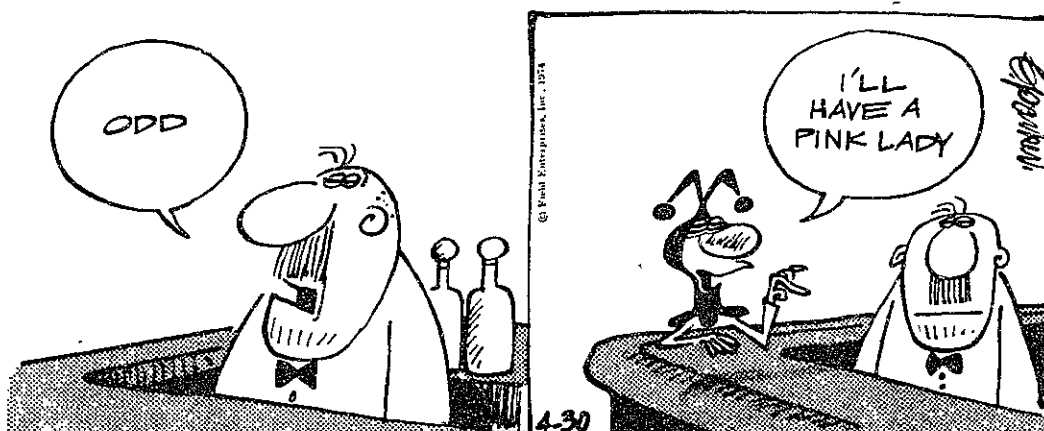
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THE WIZARD OF ID



by Brant parker and Johnny hart



The Wizard of Id appears daily and Sunday in The Boston Globe

NOTES

* Entertainers are needed for R/O Freshman Coffee House. We would like to have live music every evening, and would like to speak with performers of any kind as soon as possible. Possible compensation for your help! Please contact Debbie Deutsch, dl 8659 (evenings) or leave a note at the FAC (7-105).

* After May 3 an Undergraduate must petition the Committee on Academic Performance to cancel registration in a subject. There will be a \$5.00 processing fine for any second term registration change after May 3.

* Summer Session registration material must be returned to the Registrar's Office, E19-335 by Wednesday, May 8. \$5.00 fine for any registration material received after May 8.

* Members of the Faculty: Please notify the Head of your Department by May 10 whether you wish to march at Commencement on Friday, May 31, 1974. The Faculty will assemble at 10:00am in the duPont Athletic Center Locker Room with Professor Warren M. Rohsenow as Marshal of the Faculty. Miss Makris at the Coop, Extension 19725, would be glad to order regalia for you if you will call her no later than May 22. A ticket for the Exercises in Rockwell Cage will be available to any faculty member who applies in person to Miss Morrissey, Information Center, May 13 or after.

* The Department of Electrical Engineering has scheduled a meeting for Course VI Juniors to discuss: Admission to graduate School, Graduate School Financial Aid, and Employment prospects for Electrical Engineers. This counseling meeting is planned for Monday afternoon, May 6 at 4pm in Room 3-270. Any Junior at the Institute who may be interested in Course VI for graduate work is welcome to attend.

* Proposals for Summer Writing Grants are due May 10. Call Joe Brown at ext. 3-7889 for more information.

* Open Air Concert; Sunday May 5, 1-7pm on the Regis College Athletic field, Weston, MA. Featuring 1) Grizwald 2) High Pocket 3) The Barley Band 4) Annie Crow Road; hot dogs and beer available. RAIN DATE - Sunday May 12.

* Bernadette Devlin Speaks The socialist and former Member of Parliament will be speaking May 3 on the situation in Northern Ireland and how it has changed since the fighting began. A series of films will follow, including "A Sense of Loss." The films will be shown again that evening at 8pm in Room 222, U. Mass, Boston, 100 Arlington St. Admission Free-All welcome.

* A new training program in neurobiology for advanced undergraduates and beginning graduate students will begin next January at the Marine Biological Laboratory in Woods Hole, Mass. An intensive, four-week study including lectures, seminars, and laboratory experiments with living material, the program has been made possible by a grant of \$19,600 from the Alfred P. Sloan Foundation of New York City to the Boston University Marine Program (BUMP). Approximately 20 students will be eligible for admission to the course and will be in class every day during the four-week period. Applicants must have a solid background in introductory biology, general physics, and general chemistry with an interest in neurobiology.

* Four thousand statewide volunteer agencies are taking part in a one day Volunteer Job Fair, to be held at Hynes Civic Auditorium, 9:30am to 4:30pm, on Thursday, May 23, 1974. For the first time in Massachusetts, guidelines are being initiated for a central office of Volunteerism. The office will be designed to consolidate activities, and to provide a strong identity to volunteerism and citizen participation.

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Technique 74

Good . . .

By Paul Schindler

I have been reviewing yearbooks either obviously or anonymously for three years, and looked forward to relaxing this year. I coupled that desire with the fervent hope that *Technique* '74 would be a good book because it is my senior book.

I was not disappointed. *Technique* '74 is the standout issue of the last four, and even on an absolute scale is a terrific yearbook.

Throwing restraint to the wind, I quote approvingly from the requisite silly essay written by the editor at the end: "It is, in a broad and serious sense, a photographic record of the year at MIT . . . the book is here for your enjoyment."

If what you want out of a yearbook is a) your picture, b) your friend's pictures, c) some pictures to remind you of your senior year and d) some pictures to remind you of the Institute, then *Technique* '74 has what it takes, and that's why I like it.

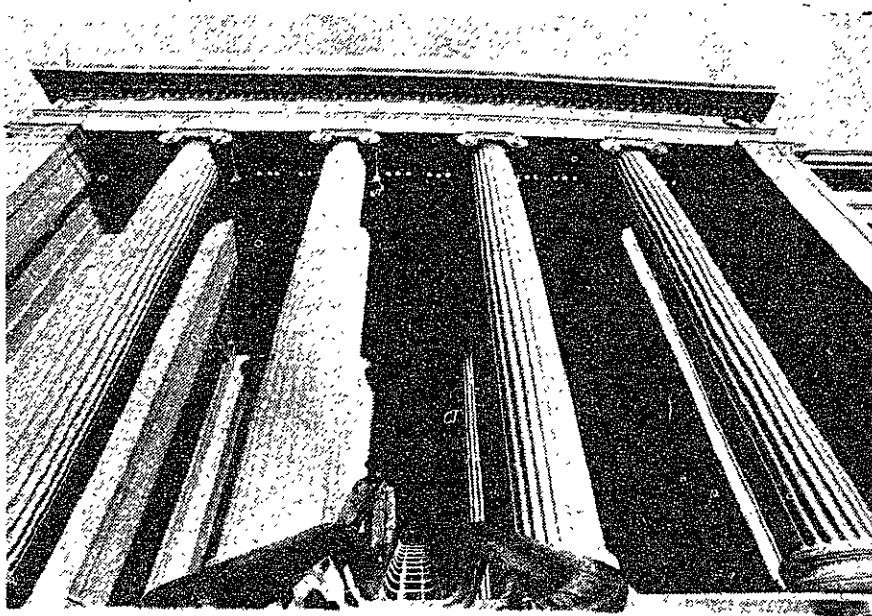
Underclassmen would also do well to buy it, with the sole caveat that it is a pictorial history. To expect more (like extensive text) is not rational; *The Tech* does a thorough job of preserving a text record of the year, and the near-zero demand of persons other than the staff for bound volumes indicates a demand that is being met for such a record.

There are, of course, non-MIT pictures in the book. It is to be expected that as large and talented a group of photographers as the *Technique* '74 photographers would want to show off their talents on a scope wider than the 125 acre campus of the Institute. Since only the most grudging of the tools never leave Mother MIT, pictures of the surrounding area are relevant

and appropriate to an MIT yearbook.

Perhaps in response to past criticism, this year's book moved a little closer to sufficient picture identification, without resorting to pompous text. Identification of persons shown, rather than just events, might be helpful — but of course the people associated with each group know who they are.

Still, I would quibble with the worthless line drawings, and might suggest a little less space for non-MIT pictures. Perhaps



one brief "review of the year" article would be appropriate.

Highlights of this year's book include the monumental act of self-inflation undertaken by Charlie Bruno, who bought two full pages so he could write about himself and show pictures. And none of us who saw the 1973 UAP campaign can fail to laugh for years to come with (at?) Larry Russel and David Leinweber, who posed in full regalia. Even though the PBE's posed only in tuxes, without last year's appropriately ostentatious display of money, the book is still worth getting.

By Mike McNamee

An MIT yearbook is supposed to have "everything that will make you think of MIT, and remember what it was like for you, . . . in the Florida old folks home after the turn of the next century," according to Paul Schindler's review of the 1973 *Technique*. If Schindler was right in this point (and I tend to agree with him), then the 1974 edition of the "MIT yearbook" has fallen short of this goal.

This year's *Technique* had suffered, according to the rumors that circulate among acti-

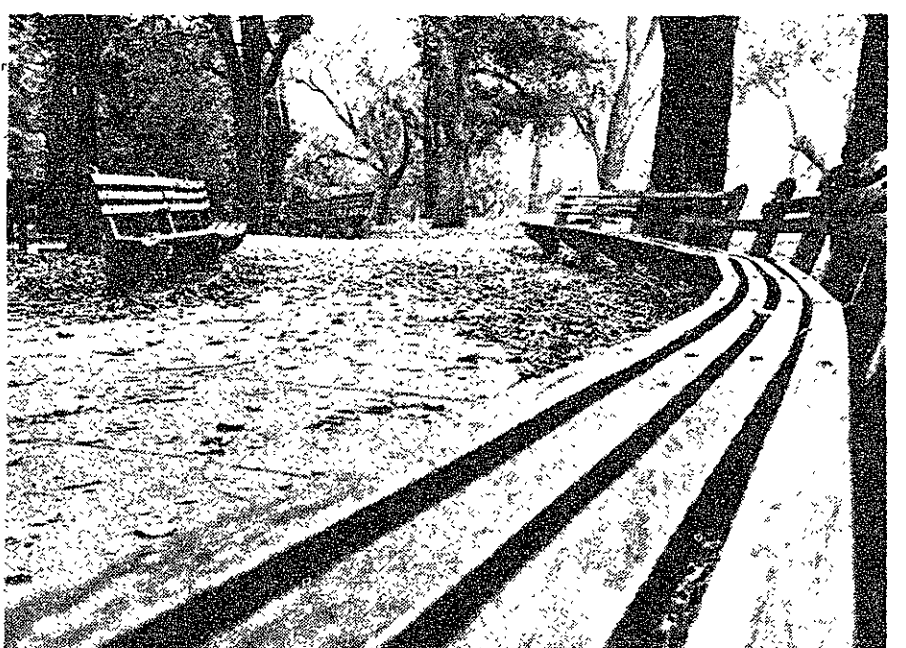
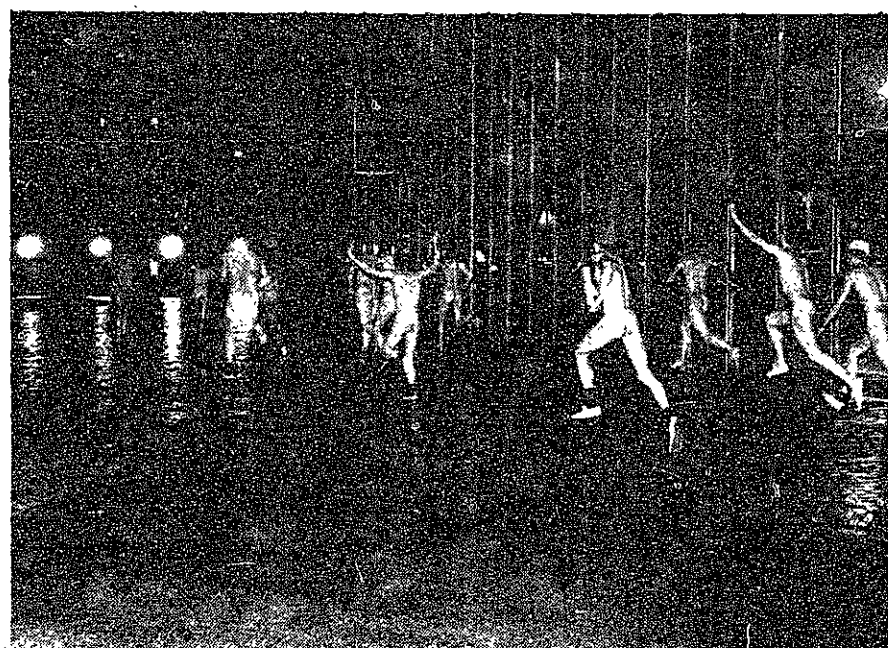
"one picture is worth a thousand words." *Technique*'s editors, apparently, do think so — and the result is a 300-page book that probably has less than 1000 words (not counting ads, names of people under pictures, and lists of names in the back). I can understand that to a point, since they are all photographers, but a lot more explanation and text is in order to let the "reader" know why some of these photos are here.

And that's the other problem. Much of the book bears only a marginal relationship to anything that goes on at MIT, and deals more with Boston and kids on the Common than with legitimate Institute events that should have been covered, but weren't. *Technique* has been accused in the past of not paying enough attention to the Institute community, and I'm told that they're getting better. They still have a way to go.

Technique does come off well on some points, the most important of which is the quality of the photographs. They are good pictures, printed well, and most of them say something to the viewer (not 1000-words-worth, but they do say something). But except in a few well-done sections ("Look at Me," a collection of great people photos, is my favorite), they are poorly organized, and, worst of all, many do not relate to MIT in the least.

Will the 1974 *Technique* bring tears to your eyes when you're in that home for retired gnurds and fools in Ft. Lauderdale? If you spent a lot of time on Boston Commons and watching oil slicks on the Charles while you were here, it might. But for most of us, the events and people that make the place what it is will probably be hard to find in MIT's yearbook — and it's a crying shame.

. . . but not ugly



Photos by Frank Venuti, Bob Iannucci, and Al Ritter, courtesy of *Technique*.

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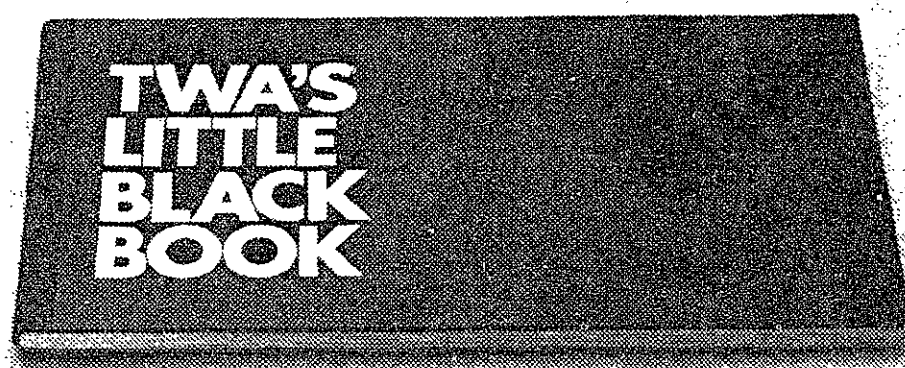
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Permit changes affect work

By Mike McNamee

A recent ruling by the US Immigration and Naturalization Service (INS) on summer work permits for foreign students could have "profound effects" on MIT's foreign-student population next summer, according to Foreign Student Advisor Eugene R. Chamberlain.

The ruling, which takes the authority for granting summer work permits out of the hands of school officials and necessitates review by the local Immigration office, will affect about 80 MIT foreign students who will want to work off-campus in this country over the summer.

The INS ruling was abased on the high unemployment rate among youth, especially among Vietnam veterans and minorities, according to a release sent out by INS Commissioner Leonard Chapman, Jr. "For several years the Manpower Administration has advised us that unemployment among American youth is of such magnitude that summer employment of aliens is depriving young Americans of needed employment opportunities," Chapman said.

The procedure in the past on work permits, Chamberlain explained, has been for the Foreign Student Office to process the applications for permits, and to approve them. Now, Chamberlain says, the Office will have to send the applications to the Immigration Service for approval.

"It will be up to the Immigration Inspector to decide who should receive a permit," Chamberlain said. One thing that is currently concerning the Foreign Student Office, he added, is that "we don't have any general guidelines on how the local office will interpret the rules, and what will and will not be permitted," he said.

Won't affect on-campus

INS summer work permits are granted on the basis on "economic need due to unforeseen circumstances which arose after entry into the United States." This, Associate Commissioner Edward O'Connor told *The Tech*, applies "only if price increases and other financial problems make it impossible for a student to live on the resources he brought with him to this country."

"In the past, many foreign students have gotten summer jobs not because of need, but just to have something to do,"

O'Connor said. "We think this ruling will discourage them. Students that need work will probably still be able to get permits."

Neither O'Connor nor Chamberlain could estimate the number of students that will be denied permits under the new ruling. "I really don't think the numbers are important," O'Connor said. "If it means that one more Vietnam veteran or minority youth gets a job, I think it will have worked."

Chamberlain estimated that 17-18,000 foreign students

worked on permits in this country last summer, but could not say how many would be denied permits this year. "We're urging students to get their applications in as soon as possible," he said. "It generally takes the INS several weeks to process anything, so we are trying to get the applications in early."

Foreign students are also being urged to look for on-campus work, which doesn't come under the work permit program, Chamberlain said.

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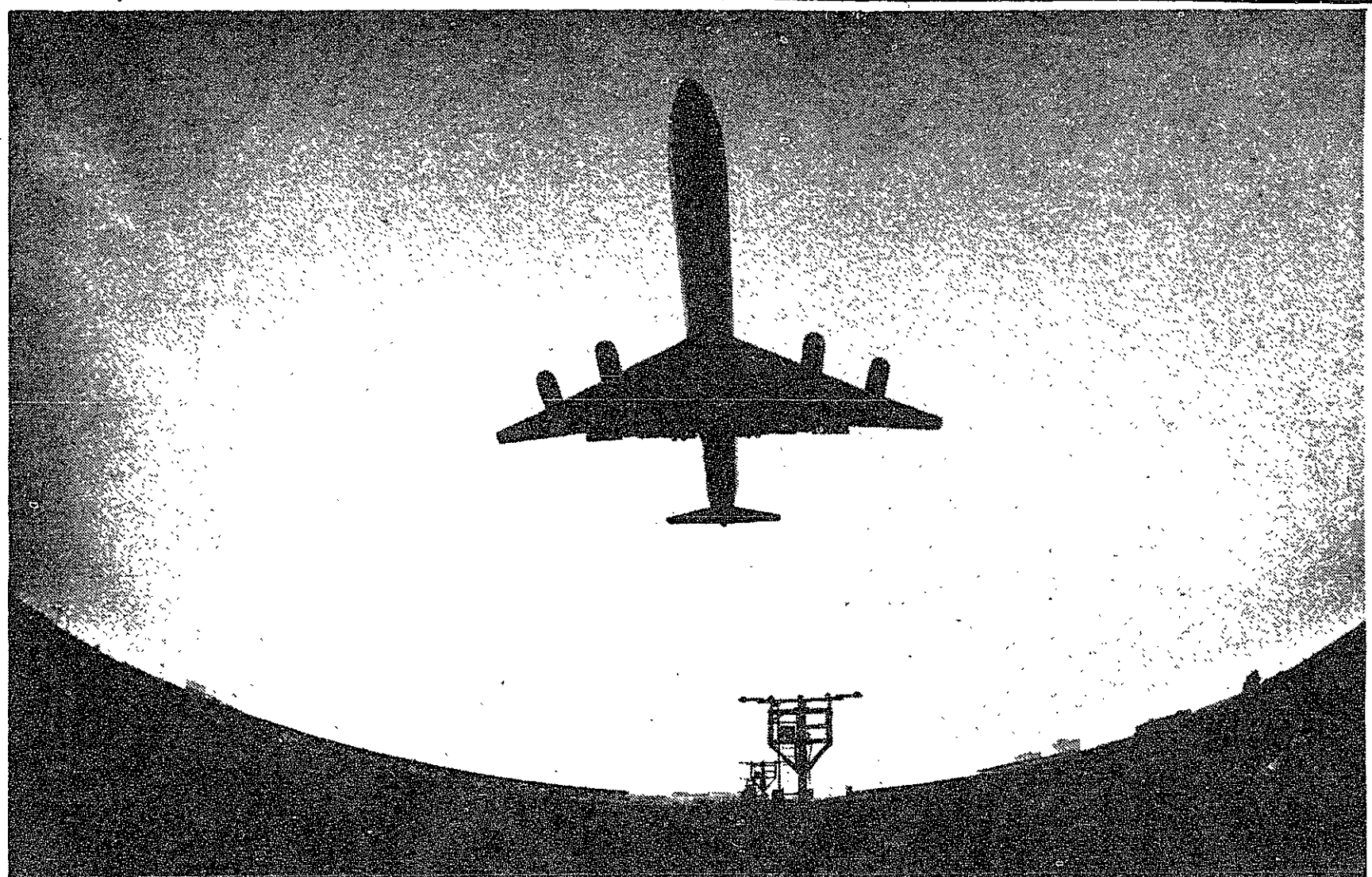
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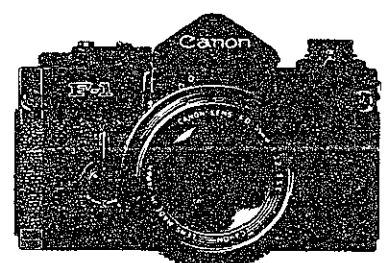
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Stereotyping impedes women

(Continued from page 3)

The report identifies secondary schools and employers as institutions that can do the most to help eliminate the stereotyped view of "women's work" that prevails, and offers several suggestions to these institutions to facilitate this change.

Employers could take several steps to aid women, the report says, including:

- Broadening of recruitment of women for technical jobs, especially among women who want to get out of traditional "Women's jobs" and those re-entering the labor force after withdrawing from it for a time.

- Improving orientation programs for women that are hired, and ensuring that they cover topics such as equal employment legislation, grievance procedures, and benefit programs.

- Clarifying the definition of equal work "so that 'substantially equal work' does in fact entail substantially equal responsibility."

- Offering financial aid programs to aid training and/or retraining of women for technical careers - programs equivalent to those often offered to men.

Secondary school

"In educating students for citizenship, the education system needs to communicate to all

young men and women the centrality of science and technology in contemporary life, as well as the ramifications of this fact," the report says. An "increasing attachment of women to the labor force" is one of these ramifications, and needs to be dealt with, according to the Workshop participants.

Difficulty with mathematics is one of the major problems faced by women who wish to enter technical fields. Educators "can and must consciously and actively encourage girls to challenge the wide-spread and ill-founded belief that they cannot or need not learn to work with numbers."

The report urged secondary school officials to:

- Hold principals and staffs accountable to school superintendents for providing equal opportunity for girls.

- Undertake collective thought, throughout the educational system, about circular changes that will help girls "understand at an early age how the study of science, mathematics, and technical courses can affect their future life choices." Schools should experiment with methods to encourage girls to consider technical courses and careers, the report says.

- Actively recruit girls for vocational programs.

- Avoid sex-stereotyping in hiring of school officials and

staff. "Nurses, bus drivers, office personnel, cafeteria workers - the entire group of men and women who comprise the school staff - are role models for the students.

- Decrease the workload of guidance counselors, and increase the counselors' familiarity with the world of work, in order to make the counselors available for "early counsel and support for all girls who might be candidates for technical or scientific careers."

Impatience

The report was praised by President Jermoe Wiesner as "a document that shows how disparate segments of society can interact to bring about improved opportunities for women," but the Workshop participants realized that the changes had not yet been made, and would not be simple.

Minutes of Workshop sessions on education stressed that "participants were acutely aware of the 'marvelous complexities' of schools and the myriad steps necessary to change attitudes and behavior."

But, nonetheless, "Women who were keenly aware of the obstacles in their scientific and technical careers tended to feel extremely impatient at the pace at which educational and employment systems could permit change, even in optimal circumstances," the report says.

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Rugby blanks Springfield

By Ali Kedou

The MIT Rugby Club traveled to Springfield this weekend and posted another victory, shutting out the Springfield RFC 13-0 on Saturday. The victory put the Ruggers back on the winning track after last week's tough loss to Williams and extended their spring season record to 3 wins and 1 loss.

MIT came out strong, scoring in the first 15 minutes when right wing forward Smith, put the ball over from close in for a try and then converted a penalty kick shortly afterward. The Tech forwards played well in the loose and put heavy pressure on Springfield in the early going, with the backs' play also much improved over the Williams game. MIT mounted several other serious threats but slacked off and the score remained 7-0 at the half.

The play was fairly even at the beginning of the second half with both sides missing several early opportunities; MIT had a slight advantage in the physical game. Toward the end of the second half, wing halfback Entwistle outran the Springfield fullback for a kick from the MIT fly-halfback and put it down for the try. Smith scored his 9th point of the day, kicking the conversion and making the final score 13-0.

The "B" team did not fare so well; they lost 16-0 and are now 1-3 on the season. It was a hard-played game and was more even than the score would indicate. Particularly encouraging was the improvement of the newer players — some in their first game, and many in their first season. The influx of undergraduates into what has been primarily a graduate team has been welcomed because of the stability it will provide.

MIT suffered its first defeat on the 19th of April at Williams by a 10-3 score. The Ruggers fell behind early on a fast try and conversion by Williams. Then

Williams scored a controversial try, the MIT team feeling that the play should have been called back for several infractions.

The Techmen could not manage to mount an attack for any period of time after that and only got on the scoreboard near the end of the second half on a penalty kick by Roger Simmonds G.

In the "B" game, MIT held Williams even for almost the entire game, giving up only one try early in the second half, but could not mount a scoring drive and lost 4-0, the winning score originating with a scrum on the MIT five-yard line. The "B"

team played well with the forwards having an especially fine game, but the lack of a sustained offense caused the defeat.

The Ruggers face Charles River RFC at home this Saturday in what should be a tough game. The outcome of this game should give a good indication as to how well the team will do in the upcoming 24-team New England Tournament on May 12-13 at Amherst. Be sure to come out to Briggs Field at 2:30 this Saturday to cheer the ruggers on. If you don't understand the game, simply ask anyone with a black and red shirt to explain it to you.

Netmen earn a split; maintain .500 mark

By Ken Davis

By splitting two matches last week, the MIT tennis team continued playing at a .500 clip in New England. The two matches, a loss to Dartmouth and a win over Trinity, put the squad's local mark at 5-5, and 5-9 overall.

A strong, well-balanced Dartmouth team handed MIT an 8-1 defeat last Wednesday. Tech's only winner was William Young '74, who defeated Rich Woolworth on first singles 5-7, 6-1, 6-2, in what he described as one of the best matches he's played this year.

He and Lee Simpson '75 lost a heartbreaker on first doubles, 6-7, 7-6, 6-7. Simson also played well in a losing cause on second singles, splitting sets before falling to Tezar.

Coach Ed Crocker's team bounced back Saturday with a strong performance, defeating Trinity 6-3. One highlight of the match was the improved play of the number six man, Jim Datesh '77. Datesh had his best match of the season, winning his singles 6-3, 6-1, and combining with Simpson to take number two

doubles. The strategy of teaming Young and Gerard Lum on first doubles against weaker teams again payed off, as the two crushed their opponents, 6-1-6-0.

Young continued his winning ways, defeating John Emory 6-3, 6-3. Ted Zouros on third singles and Wally Shjeflo, playing number four, also were victorious. Simpson lost a tough match. After splitting sets, he dropped the final one, 7-6, on a 5-4 tiebreaker.

With three matches remaining, the tennis team has a good chance of finishing with a winning New England record. Their next match is home against Brandeis tomorrow afternoon.

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Sports

Lowell Tech victory ends golf team skid

By B.H. Jones

The MIT golf team snapped a four match losing streak by defeating Lowell Tech in a sudden death playoff.

Traveling to Mt. Pleasant Golf Course in North Adams, Mass. The MIT golfers last Friday faced both Lowell Tech and Bowdoin College. After regulation 18 holes MIT found itself tied with Lowell Tech at 3½ but defeated by Bowdoin, 5½-1½.

MIT golfers Pete Wolczanski '76, captain Gordon Deen '74, and Greg Turner '74 each won their matches while Dave Macartney '74 managed a tie to force the playoff. It took only two holes for Macartney to defeat his opponent and gain the victory for the Engineers.

The only competition for Bowdoin came from Turner, who picked up a win, and Wolczanski, who tied his match. MIT's low scores were turned in by Deen and Wolczanski who shot 79 and 81 respectively.

On Monday, the team played in the Greater Boston Collegiate Athletic Association tournament at Concord Country Club, a genuinely unfair course with precipitous fairways and greens whose texture varies from concrete to quicksand. The team came out of the 36 hole, day long tourney in fifth place, ahead of only Boston University. Gordon Deen was again low man for the team with 167.

The preceding weekend dealt

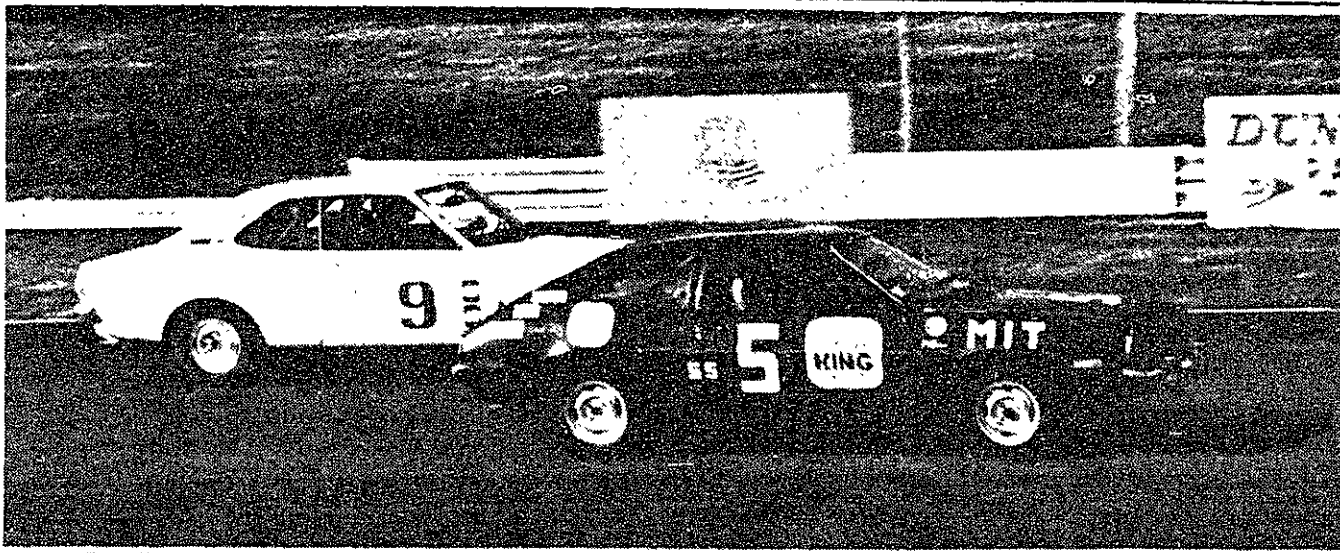
MIT a heartbreaking loss by five strokes to Bowdoin in a medal play match. Held at the Williams College course in Williamstown, Mass., the Engineers were nowhere near the host team's 484 total, but were only outscored by Bowdoin, 510-515.

Wolczanski led the way for MIT with an 81, while Bob Nilsson '76 shot an 86, and Turner, Deen, and Leo Bonnel '77 each took 87 strokes.

The golf team's record now stands at 2-5 with wins over Babson and Lowell Tech and losses at the hands of Tufts, WPI, Williams, and Bowdoin twice. In the Tufts match only Bob Kneeland '77 could tally for MIT with a halve. Jim Harrison '76, Turner, and Bonnell won for MIT in the 4-3 loss to WPI.

The team's main problem this season after their successful 7-1 fall season may lie in a considerably tougher schedule. The squad has faced perennially strong teams from Tufts and Williams and has yet to face Harvard and Trinity. Another problem has been the inconsistent rounds by many of the top eight players who have still not regressed after the winter lay-off.

Hopefully, play will have improved enough to make a good showing in the New England ECAC tournament in New Hampshire at the end of the week. The team is practicing at its home course, Brae Burn Country Club, to determine the five players to represent the team.



Joel Bradley drafts his MIT/Burger King Pinto into the lead past Paul Hacker's Dodge Colt on the eleventh lap in the NARRC race held at Lime Rock last Saturday. Bradley went on to win the race for the MIT team.

Photo by Rich Reihl

Racers win at Lime Rock

With a competitive edge provided by its experienced pit crew, the MIT Road Racing Team scored its first victory of the new season. After a race-long battle, team driver Joel Bradley G powered one of the team's Burger King Pintos across the finish line first in a North Atlantic Road Racing Championship race held at Lime Rock, Connecticut.

With outstanding weather all weekend, the MIT team was able to keep the two team cars competitive through two days of hard racing.

Although Friday's practice was uneventful for the MIT team, actor Paul Newman provided a noteworthy incident with a spectacular crash in which he destroyed a \$20,000 race-prepared English Ford Escort. Practicing for next week's Trans-Am race Newman flew off the end of the main straightaway and ran down a large number of small trees. Although the chassis and body were completely destroyed, the left side door being in the middle of the car, Newman emerged unhurt from

the right-hand drive Escort.

Saturday saw both MIT/Burger King Pintos put in impressive qualifying performances. Joel Bradley posted the second fastest time in the "showroom stock sedan" class, while Dave Ziegelheim '75 was third fastest. The pit crew (Steve Cairns G, Ed Gardner '75, Gunnar Gangsaas '74, Lynn Davidson '75, and Bob Humphrey '77) kept both cars running in top form, despite Bradley's car being hit by a novice driver in practice, and Ziegelheim's racer losing its muffler.

At the start of the race, Bradley dropped four seconds behind Paul Hacker's Dodge Colt as both cars avoided the spinning Porsche of Larry Snover. Getting a poor start, Ziegelheim dropped two positions to fifth place.

Bradley quickly caught the Colt, and on the sixth lap drafted by him on the main straight and outbraked him into the first turn to take the lead. On the seventh lap Ziegelheim was "shunted" and spun while outbraking another Pinto into turn one. Hacker was able to power his Colt past Bradley on the main straight in the eighth lap.

For the next three laps, Bradley kept his Pinto right on the tail of Hacker's Colt. On lap 11, the two cars came upon Ziegelheim, who had lost nearly a full lap when he spun. Ziegelheim blocked Hacker on the diving turn leading to the main straight, allowing Bradley to regain the lead.

On lap 13 Hacker again made a move, pulling alongside Bradley on the main straight. Fender to fender, door to door, the two cars swept through the big bend and the S-curves, neither car giving up an inch. On the zig-zag straight Hacker

pulled ahead, but Bradley stayed with him, drafting him out of the diving turn, and regaining the lead on the main straight.

The final two laps kept the spectators on their feet, as Bradley held Hacker off, outbraking him into the big bend and holding his line through the S-curves. The 15-lap fender fending chase climaxed on the final turn when Hacker made a last

ditch attempt for the lead, trying to pass on the outside of the diving turn. Bradley held his line, causing the Colt driver to slide off the track, for the MIT team's first victory of the 1974 season.



Pictured above is the 1973-74 MIT varsity golf team. Kneeling in the front row are Tony Isaac '75, captain H. Gordon Deen III '74, Greg Turner '74, Dave Macartney '74, Bob Nilsson '76, and Jim Harrison '76. Standing in back are Bob Byers, Bob Kneeland '77, John Nugent '77, Alex Pankow '75, Leo Bonnel '77, Pete Wolczanski '76, and Coach Jack Barry. The team is currently sporting a 2-5 record and is prepping for the New England tourney this Thursday and Friday.

Photo courtesy MIT Athletic Dep't

ON DECK

Tuesday, April 30

V Baseball Northeastern @ MIT; 4:00
W Tennis @ Radcliffe JV; 4:00

Wednesday, May 1

JV/F Baseball Emerson @ MIT; 4:00
F light crew Tabor @ MIT
1st boat - 4:20
2nd boat - 4:00
V Lacrosse @ Harvard; 4:00
JV/F Lacrosse Milton Academy @ MIT; 3:00

Thursday, May 2

F Tennis Brooks School @ MIT; 3:30
Golf - New Englands in Manchester, New Hampshire

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Sports



Southpaw starter Don Proper '76 earned his second complete game win of the season last Saturday in the opener of MIT's doubleheader with the Coast Guard. He has yet to lose. Photo by Tom Vidic



MIT's shell-shocked goalie, Jeff Singer '77, awaits another salvo while teammate Roy Greenwald '75 looks on. Photo by Tom Vidic

Lacrosse losses pile up

By Glenn Brownstein

MIT's struggling varsity lacrosse team lost three more games last week, dropping its record to a dismal 0-8.

The Engineers played their best game of the year on Monday afternoon against a much-improved Tufts club, losing 9-6. The Jumbos, one of the poorer teams in the area last year, have a 3-1 mark in 1974, including a win over sectionally-ranked Wesleyan.

Co-captain George Braun '75, the team's leading scorer with sixteen goals and six assists, led MIT's attack with five points (three goals, two assists). His two first-period goals gave MIT a 2-1 lead after fifteen minutes.

In the second period, Tufts, scored two goals within a 24 second span midway in the period, and traded later scores with the Engineers for a 4-3 halftime lead.

After a 1-1 third period, MIT quickly tied the score at 5-all on freshman Roger Renshaw's third goal of the season at 0:54. However, two Jumbo goals in the next 40 seconds gave them a 7-5 lead and the game. Bob Connor '75 brought the Engineers within one at 7:14, but the Engineers could not score again despite having manpower advantages due to numerous Tufts penalties. The Jumbos scored twice more in the period to wrap up the scoring.

The Engineer attack of Connor, Braun, and John Rueter '74 moved the ball around the

Jumbo zone, while all nine Engineer middies, (three three-man lines), did their best to control play in the center of the field. MIT's defense allowed Tufts only 21 shots on goal (lowest opposition total all year) and blocked another half-dozen headed for the net.

Unfortunately, MIT could not repeat this performance against either New Hampshire or Trinity later in the week, losing 14-2 and 11-4, respectively.

The loss at UNH, one of the better New England teams, can be excused by MIT's long trip and the Wildcats' superior talent.

However, the Engineers could not put anything together Saturday afternoon against the Eagles of Trinity and lost badly to a team not at all out of MIT's class.

After a good first period that ended in a 1-1 tie, the Engineers fell apart, failing to generate a consistent passing attack, and allowed Trinity to totally dominate the play and the action. The Eagles scored five goals in the second quarter to MIT's two, and the Engineers never recovered. Trinity added five more scores in the second half, while the Engineers managed only one as Trinity's goalie made some excellent saves.

Braun and Connor scored twice each for MIT in the game, and generally could not be faulted, as MIT's major problem was in its own zone, completing only 10 of 29 clears, 5 of 20 after the first period, due to inaccurate and overlong passes.

Baseball outslugs foes

By Lawrence D. David

The Beaver baseball machine rebounded from a 6-0 loss to Brandeis last Tuesday to sweep four games in three days in the most overpowering exhibition of hitting in MIT baseball history.

Thursday's game against previously undefeated Lowell Tech was a nail-biting 1-0 victory for pitcher Mike Royal '76. A clutch stab of a line drive by Mike Dziekan '76 in the bottom of the sixth with the bases loaded saved two runs and the game.

Two infield hits by Vince Maconi '76 and Tom Leise '74, followed by a Roy Henriksson '76 liner past the Lowell third baseman, scored Maconi with the game winner.

Four home runs by Boston College could not overcome an 18-hit Beaver attack, as MIT steamrolled Eddie Pellagrini's charges at Chestnut Hill on Friday, 19-10, believed to be the most runs ever scored against BC. Every man in the Beaver lineup scored, and eight Beaver batters had at least one RBI.

Dave Yauch '75, the winning pitcher, raised his lifetime collegiate pitching record to 12-7, tying the MIT mark for most individual career victories.

The next day, Coast Guard made the mistake of getting in the way of the red-hot Beaver bats, as MIT swept a doubleheader, 12-6 and 14-11. In the first game, 12 runs and 15 hits were enough to support Don Proper '76 in pitching his second victory against no losses.

Mike Royal pitched for the second time in two days, this outing in relief, and picked up his second victory. Coast Guard outhit MIT, 13-12, but committed four errors and lost the services of their ace hurler, Walt Romanosky, in the second inning with a stiff shoulder.

The Beavers' 45 runs and 45 hits this past weekend sent the team batting average skyrocketing to .298, and the runs-per-game average to 8.84, almost double that of their opponents.

MIT's next game will be this afternoon against Northeastern at Briggs Field. Game time is 4:00.

Ivy table tennis title taken by Tech team

MIT's table tennis team has captured the Ivy League-MIT championship completing its season with a near perfect record. With the title comes the Ivy Table Tennis Team Cup which will soon be on display in the duPont Athletic Center.

The squad's 'A' team went through the year without a loss, including a big win over arch-rival Columbia, while the 'B' team lost only to Harvard and Cornell. Competing for MIT throughout the course of the season were Chuck Chan 'G, Dave Chan 'G, Bob Keener '75, Bill Ladd '74, Lun Lam '74, Bob Lee '74, Joseph Lee 'G, Bok Sing Tam 'G, Denny Wang '74, and Ken Wang 'G.

On April 20, four members of the team, Joseph Lee, Dave Chan, Ladd, and Chuck Chan, participated in the All-Ivy Intercollegiate Tournament held at Princeton University.

The doubles team of Chuck Chan and Joseph Lee won the competition by defeating Dave

Chan and Ladd in an all-MIT final. Chan and Ladd had previously beaten the top-seeded Columbia doubles team, while Chan and Lee swept easily through their half of the draw.

In the singles event, Ladd was narrowly edged out for the title by Sam Lee of Columbia in a round-robin semifinal match.

Obviously, the MIT squad has had a very successful season. Next year, with every team gunning for them every match, should be a rough one. Hopefully, MIT will be able to prevail and defend its championship.

IM cycling

On a beautiful day last Saturday, the two teams from the MIT Wheelmen's Club took top honors in the intramural cycling race. The Wheelmen also swept the top five places individually.

The Student House team made a good showing for third place, while the two amateur teams from SAE and KS each performed well.

Twenty-one contestants showed up for the event on the challenging 6.6-mile course in Waltham.

THE TEAM RESULTS:

Wheelmen's I	54:01
Wheelmen's II	56:57
Student House	60:12
SAE	64:16
KS	64:50

THE INDIVIDUAL RESULTS:

Klein	17:43
Williams	18:05
Gaskin	18:13
Johnson	18:13
Chu	18:42

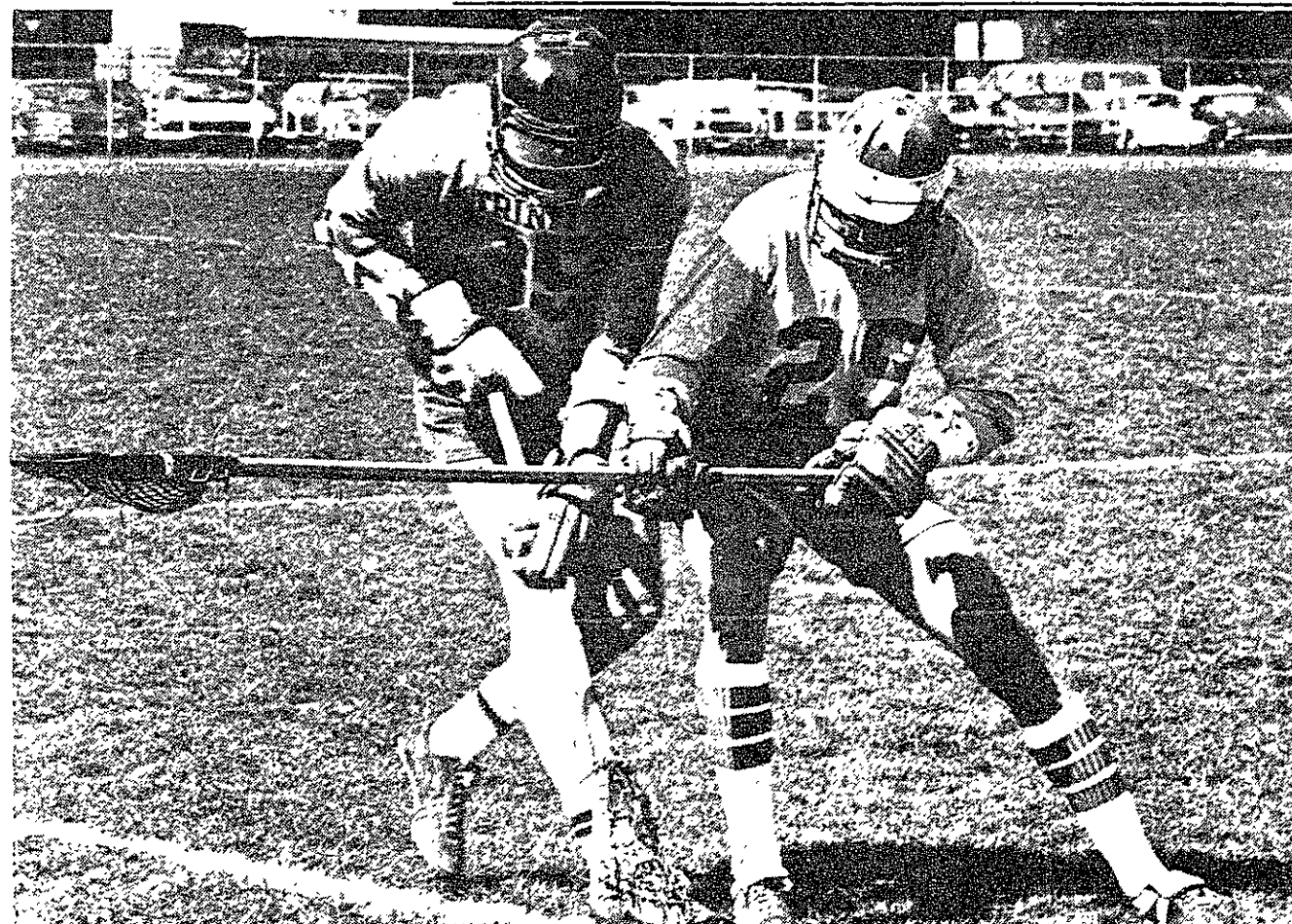
Complete results are posted in the IM office (W32-123) at DuPont.

IM SAILING

This year's sailing regatta will be held Sunday, May 5, at 10:00 am.

Rosters for the four-person teams (two skippers and two crews are due in the Managers' Office (W32-121) by 5:00 pm, Thursday, May 2.

All skippers must possess a 1974 sailing card and must have completed the Provisional and Crew ratings. Any skipper not having obtained a good score on the skippers' exam must attend the Rules Review Meeting on Friday, May 3, at 5:00 pm.



Co-captain and defenseman Richard Bye '75 (at right), fights an attacker from Trinity for possession of the ball in last Saturday's loss to Trinity. That loss, eighth of the season without a win, stretched MIT's lacrosse losing streak to 25 games, reaching over three seasons. Photo by Tom Vidic